

VCSEL ASSEMBLY WITH EDGE-RECEIVING OPTICAL DEVICES

ABSTRACT OF THE DISCLOSURE

The present invention is directed to a method and system for conditioning the output signals of an array of surface-emitting lasers with an array of edge-receiving optical devices. Both the array of surface-emitting lasers and the array of edge-receiving optical devices are mounted on an optical bench substrate. The array of edge-receiving optical devices may also be monolithically fabricated on the optical bench substrate. The array of surface-emitting lasers and the array of edge-receiving optical devices are aligned by alignment features and slots, which are fabricated on the optical bench substrate so as to optically couple the array of surface-emitting lasers to the array of edge-receiving optical devices.

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